

PLOTTING NUMERICAL DATA

ABSTRACT OF THE DISCLOSURE

Plotting numerical data is provided. A root object is selected and a user is presented with at least one filter for selection, where each filter describes at least one of a type of objects and a type of relationships between objects, each type of objects and each type of relationships between objects being defined by a schema. A set of objects is selected based on user-selected filters. Each object of the set is related to the root object either directly, or through a chain of intermediate objects, where each chain of intermediate objects has the same length and all objects at a given level of each chain have a relationship with a parent object which is identical. Each object of the set also contains numerical data having a format suitable for a mathematical analysis. The mathematical analysis of the numerical data is arranged and a result of which is plotted in a graph. Advantageously, the user is provided with some guidance for selecting the set of objects and all objects so selected contain numerical data suitable for plotting the desired graph.